

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF

THE DEPENDENT RESURVEY OF
A PORTION OF THE SUBDIVISIONAL LINES,

AND

THE SUBDIVISION OF SECTION 16,

IN

TOWNSHIP 26 SOUTH, RANGE 18 EAST,

OF THE SALT LAKE MERIDIAN
IN THE STATE OF UTAH

EXECUTED BY

Scott A. Burkhardt
Cadastral Surveyor

Under Special Instructions dated and approved **April 28, 2014**, which provided for the surveys included under Group No. **1256**, and Assignment Instructions dated **April 28, 2014**.

Survey Commenced, **May 15, 2014**
Survey Completed, **June 16, 2014**

INDEX DIAGRAM

Township 26 South, Range 18 East, Salt Lake Meridian, Utah

6	5	4	3	2	1
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TOWNSHIP 26 SOUTH, RANGE 18 EAST, SALT LAKE MERIDIAN, UTAH

The following field notes describe the dependent resurvey of a portion of the subdivisional lines, and the subdivision of section 16, in T. 26 S., R. 18 E., Salt Lake Meridian, Utah.

HISTORY OF SURVEYS

	Surveyed by		Retr. or Resurveyed by	
NORTH BOUNDARY (Fifth Standard Parallel South)				
All	C.F. Moore	1928		
SOUTH BOUNDARY				
All	C.A. Swiatek & L.P. Lewis	1954		
Portion			G.W. Hochstrasser	1965
EAST BOUNDARY				
All	C.A. Swiatek & L.P. Lewis	1954		
WEST BOUNDARY				
All	C.A. Swiatek & L.P. Lewis	1954		
SUBDIVISION				
Portion	C.A. Swiatek & L.P. Lewis	1954		
Portion			S.A. Burkhardt	2010-12

TOWNSHIP 26 SOUTH, RANGE 18 EAST, SALT LAKE MERIDIAN, UTAH

The survey was executed in accordance with the specifications set forth in the Manual of Surveying Instructions, 2009, and the Special Instructions for Group No. 1256, dated April 28, 2014.

The direction of each line is with reference to true meridian, determined by Global Positioning System (GPS) utilizing Real-Time Kinematic (RTK) techniques throughout the survey. The positional accuracy of this survey complies with the *Standards for the Positional Accuracy of Cadastral Surveys When Using Global Navigation Satellite Systems (GNSS)*, dated February 23, 2009. Trimble model R8 GPS receivers were used for field collection. Cadastral Automated Plat Drafting (CAPD) software was the primary software utilized for project calculations.

Preliminary to the resurvey, the lines of the prior surveys were retraced and a search was made for all corners and other calls of record. Identified corners were remonumented in their original positions. Lost corners were reestablished and remonumented at proportionate positions based on the official record. The retracement data were thoroughly verified and only the true line field notes are given herein.

Geodetic control was derived from GPS static observations, post processed by National Geodetic Survey, Online Positioning User Service (OPUS), utilizing Continuously Operating Reference Stations (CORS): DH6916 MC04 MESA CNTY 04 COOP CORS ARP, DI3419 P012 MONTICELLOUT2006 CORS ARP, and DL3522 MC06 MACK CORS ARP.

The geographic position of the corner of sections 9, 10, 15, and 16, Township 26 South, Range 18 East, as determined by direct RTK methods from the National Geodetic Survey OPUS solution, is as follows:

Latitude: **38°32'55.012" N.**,
Longitude: **109°55'48.378" W.**, N.A.D. 83 (2011), EPOCH: 2010.00
Network Accuracy = 0.200 meter at 95% confidence.

The geographic position of the 1/4 section corner of sections 16 and 21, Township 26 South, Range 18 East, as determined by direct RTK methods from the National Geodetic Survey OPUS solution, is as follows:

Latitude: **38°32'02.830" N.**,
Longitude: **109°56'21.567" W.**, N.A.D. 83 (2011), EPOCH: 2010.00
Network Accuracy = 0.200 meter at 95% confidence.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
TOWNSHIP 26 SOUTH, RANGE 18 EAST, SALT LAKE MERIDIAN, UTAH
CHAINS

Dependent Resurvey of a Portion of the Subdivisional Lines,
T.26S., R.18E., Salt Lake Meridian, Utah

Reestablishment of the Survey Executed by
C.A. Swiatek & L.P. Lewis in 1954

Beginning at the corner of sections 15, 16, 21, and 22,
monumented with an iron post, 2 1/2 inches diameter, firmly set,
projecting 2 inches above a mound of stone, 4 ft. base, 2 ft.
high, with brass cap marked as described in the official record
of the 1954 survey.

From which the remaining 1954 bearing trees

A juniper, 13 inches diameter, bears S. 21 1/4° E., 51 links
distance, marked S22 BT.

A juniper, 10 inches diameter, bears S. 73° W., 19 links
distance, marked S21 BT.

A juniper, 8 inches diameter, bears N. 83 1/4° W., 35 links
distance, marked S16 BT.

Corner is located immediately southwest of an abandoned two-track
road, in sandy, gently-rolling ground, with scattered juniper
trees.

N. 0°01.0' W., between sections 15 and 16.

40.038 The 1/4 section corner of sections 15 and 16, monumented with an
iron post, 2 1/2 inches diameter, firmly set, flush in a mound of
stone, 3 ft. base, with brass cap marked

1/4
S16|S17
1954

Correct the cap marking to read

1/4
S16|S15
1954

From which the 1954 bearing objects

A sandstone boulder, 7x5x4 ft., bears S.64°30.4'E., 37.5 links
distance, marked B+O (Record: S.64°36'E., 38 links).

A sandstone boulder, 4x4x2 ft., bears N.77°07.9'W., 21.0 links
distance, marked B+O (Record: N.77°44'W., 22 links).

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
TOWNSHIP 26 SOUTH, RANGE 18 EAST, SALT LAKE MERIDIAN, UTAH
CHAINS

Corner is located on a steep, rocky, north-facing slope.

N. 0°02.1' W., beginning new measurement.

- 39.986** The corner of sections 9, 10, 15, and 16, monumented with an iron post, 2 1/2 inches diameter, firmly set, flush in a mound of stone, 4 ft. base, 2 1/2 ft. high, with brass cap marked as described in the official record of the 1954 survey.

From which the 1954 bearing trees

A juniper, 13 inches diameter, bears N. 17 1/2° E., 96 links distance, marked S10 BT.

A juniper, 18 inches diameter, bears S. 89 1/2° E., 122 links distance, marked S15 BT.

A juniper, 17 inches diameter, bears S. 14° W., 134 links distance, marked S16 BT.

A juniper, 15 inches diameter, bears N. 53 1/4° W., 68 links distance, marked BT.

Corner is located in rolling, sandy ground, with scattered juniper trees.

From the corner of sections 15, 16, 21, and 22.

N. 89°58.2' W., between sections 16 and 21.

- 40.003** The 1/4 section corner of sections 16 and 21, monumented with an iron post, 2 1/2 inches diameter, firmly set, projecting 4 inches above a mound of stone, 4 ft. base, 2 ft. high, with brass cap marked as described in the official record of the 1954 survey.

From which the 1954 bearing trees

A juniper, 15 inches diameter, bears S. 76 3/4° W., 64 links distance, marked BT.

A juniper, 16 inches diameter, bears N. 23 1/4° W., 157 links distance, marked S16 BT.

Corner is located in rolling, sandy ground.

S. 89°59.8' W., beginning new measurement.

- 19.922** Point for the W 1/16 section corner of sections 16 and 21. Not monumented.

- 27.161** Point selected for a witness point on the line between sections 16 and 21.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
TOWNSHIP 26 SOUTH, RANGE 18 EAST, SALT LAKE MERIDIAN, UTAH
CHAINS

Set a brass tablet, 3 1/4 inch diameter, with 3 1/2 inch stem,
flush with sandstone, in epoxy bond, into a drill hole on solid
rock, marked

WP
T26S R18E
S16
—
S21
2014

Corner is located approximately 120 ft. east of the southeasterly
rim of Mineral Canyon.

- 39.844** The true point for the corner of sections 16, 17, 20, and 21, at
record bearing and distance from the 1954 witness corner. Point
falls on a steep west-facing slope, where it is impracticable to
establish a permanent monument.
-

West, between sections 17 and 20.

- 6.000** The 1954 witness corner to the corner of sections 16, 17, 20, and
21, monumented with an iron post, 2 1/2 inches diameter, firmly
set, projecting 2 inches above a mound of stone, 4 ft. base, 1
ft. high, with brass cap marked as described in the official
record of the 1954 survey.

From which the 1954 bearing object

A sandstone boulder, 20x15x6 ft., bears S.38°29.0'W., 107.0
links distance, marked B+O.

From the true point for the corner of sections 16, 17, 20, and
21.

N. 0°01.7' W., between sections 16 and 17.

- 19.997** Point for the S 1/16 section corner of sections 16 and 17.

Set an aluminum post, 2 1/2 inches diameter, 30 inches long,
flush with the ground, magnet at base, with aluminum cap marked

T26S R18E
S 1/16
S17 | S16
2014

Set a steel fencepost west of the corner.

Corner is located on the southwest-facing slope of a rocky spur.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
TOWNSHIP 26 SOUTH, RANGE 18 EAST, SALT LAKE MERIDIAN, UTAH
CHAINS

- 39.994** The 1/4 section corner of sections 16 and 17, monumented with an iron post, 2 1/2 inches diameter, firmly set, buried 7 inches below the surface, with brass cap marked as described in the official record of the 1954 survey.

From which the 1954 reference monuments

An iron post, 2 1/2 inches diameter, firmly set, flush in a mound of stone, 3 ft. base, with a brass cap marked as described in the official record of the 1954 survey, bears N.44°35.7'E., 45.7 links distance (Record: 45.5 links).

An iron post, 2 1/2 inches diameter, firmly set, flush in a mound of stone, 3 ft. base, with a brass cap marked as described in the official record of the 1954 survey, bears S.44°59.0'W., 45.8 links distance (Record: 45.5 links).

Corner is located on an abandoned two-track road, bearing northwest and southeast.

N. 0°01.7' W., beginning new measurement.

- 39.993** The corner of sections 8, 9, 16, and 17, monumented with an iron post, 2 1/2 inches diameter, firmly set, flush in a mound of stone, 4 ft. base, 2 1/2 ft. high, with brass cap marked as described in the official record of the 1954 survey.

From which the 1954 bearing trees

A juniper, 12 inches diameter, bears N. 23° E., 62 links distance, marked S9 BT.

A juniper, 8 inches diameter, bears S. 84 3/4° E., 62 links distance, marked BT.

A juniper, 17 inches diameter, bears S. 38 3/4° W., 154 links distance, marked S17 BT.

A juniper, 12 inches diameter, bears N. 33 1/4° W., 139 links distance, marked S8 BT.

Corner is located in rolling, sandy ground, with scattered juniper trees.

From the corner of sections 9, 10, 15, and 16.

S. 89°59.3' W., between sections 9 and 16.

- 39.924** The 1/4 section corner of sections 9 and 16, monumented with an iron post, 2 1/2 inches diameter, firmly set, flush in a mound of stone, 4 ft. base, 1 ft. high, with brass cap marked as described in the official record of the 1954 survey.

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
TOWNSHIP 26 SOUTH, RANGE 18 EAST, SALT LAKE MERIDIAN, UTAH
CHAINS

From which the 1954 bearing trees

A juniper, 16 inches diameter, bears N. 45° E., 97 links
distance, marked 1/4 S9 BT.

A juniper, 20 inches diameter, bears S. 21 3/4° E., 66 links
distance, marked 1/4 S16 BT (Record: S. 51 3/4° E.).

Corner is located in rolling, sandy ground, with scattered
juniper trees.

S. 89°59.1' W., beginning new measurement.

39.910 The corner of sections 8, 9, 16, and 17.

Subdivision of Section 16,
T.26 S., R.18 E., Salt Lake Meridian, Utah

From the 1/4 section corner of sections 16 and 21.

N. 0°01.5' E., on the north-south centerline of section 16.

20.002 Point for the center S 1/16 section corner of section 16. Not
monumented.

40.004 Point for the center 1/4 section corner of section 16, at
intersection with the east-west centerline.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 25
inches in the ground, magnet at base, in a collar of stone, with
aluminum cap marked

T26S R18E

C 1/4 S16

2014

Set a steel fencepost north of the corner.

Corner is located on a steep, north-facing slope on the
southeasterly side of Mineral Canyon, several hundred ft.
elevation above the canyon floor.

79.995 The 1/4 section corner of sections 9 and 16.

From the 1/4 section corner of sections 15 and 16.

S. 89°58.9' W., on the east-west centerline of section 16.

39.970 The center 1/4 section corner of section 16.

59.908 Point for the center W 1/16 section corner of section 16.

SUBDIVISION OF SECTION 16,
TOWNSHIP 26 SOUTH, RANGE 18 EAST, SALT LAKE MERIDIAN, UTAH
CHAINS

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 15 inches in the ground to bedrock, with a magnet at base, in a mound of stone, 3 ft. base, to aluminum cap marked

T26S R18E

W 1/16
C $\frac{\quad}{S16}$ C

2014

Set a steel fencepost east of the corner.

Corner is located in fairly level, grassy ground in the bottom of Mineral Canyon.

79.846 The 1/4 section corner of sections 16 and 17.

From the point for the W 1/16 section corner of sections 16 and 21.

N. 0°00.1' W., on the north-south centerline of the southwest 1/4 of section 16.

20.000 Point for the SW 1/16 section corner of section 16, at the intersection with the east-west centerline of the southwest 1/4.

Set a brass tablet, 3 1/4 inch diameter, with 3 1/2 inch stem, flush with sandstone, in epoxy bond, into a drill hole on solid rock, magnet at base, marked

T26S R18E

SW 1/16 S16

2014

Corner is located on gently-rolling sandstone bedrock, approximately 150 ft. south of the southeasterly rim of Mineral Canyon.

40.000 The center W 1/16 section corner of section 16.

From the point for the center S 1/16 section corner of section 16.

S. 89°59.3' W., on the east-west centerline of the southwest 1/4 of section 16.

19.930 The SW 1/16 section corner of section 16.

39.860 The S 1/16 section corner of sections 16 and 17.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

Name	Capacity
Phil Freiberg	Survey Technician

CERTIFICATE OF SURVEY

I, **Scott A. Burkhardt, Cadastral Surveyor**, HEREBY CERTIFY upon honor, that in pursuance of Special Instructions bearing the date of the **28th day of April, 2014**, I have **dependently resurveyed a portion of the subdivisional lines, and subdivided section 16, in Township 26 South, Range 18 East**, of the **Salt Lake Meridian**, in the State of **Utah**, which are represented in the foregoing field notes as having been executed by me and under my direction; and that said survey has been made in strict conformity with said Special Instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in specific manner described in the foregoing field notes.

December 9, 2015
Date

Scott A. Burkhardt
Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Salt Lake City, Utah

The foregoing field notes of the **dependent resurvey of a portion of the subdivisional lines, and the subdivision of section 16, in Township 26 South, Range 18 East, Salt Lake Meridian, Utah**, executed by **Scott A. Burkhardt, Cadastral Surveyor**, having been critically examined and found correct, are hereby approved.

January 19, 2016
Date

Daniel W. Webb
Chief Cadastral Surveyor for Utah